

Amendments to the Claims

Please cancel claims 1-37, 41-49 and 56-66 without prejudice or disclaimer. Please amend claims 38-40, and 50-55 as shown below.

Claims 1-37. (Canceled)

Claim 38. (Currently amended) A genetically ~~modified~~ transformed rice plant wherein a an endogenous gene comprising a genomic nucleotide sequence ~~selected from the group consisting of SEQ ID NOS:18-34~~ of SEQ ID NO:29 has been disrupted by T-DNA insertion.

Claim 39. (Currently amended) A genetically ~~modified~~ transformed rice plant wherein a an endogenous gene encoding a polypeptide comprising an amino acid sequence ~~selected from the group consisting of SEQ ID NOS:52-68~~ of SEQ ID NO:63 has been disrupted by T-DNA insertion which disrupts expression of the encoded polypeptide.

Claim 40. (Currently amended) A genetically ~~modified~~ transformed rice plant ~~selected from the group consisting of 1b-115-22, 1b-164-43, 1b-192-40, 1b-207-27, 1b-138-07, 1d-059-12, 1e-087-40, 1e-017-14, 1e-038-56, 1e-041-47, 1e-064-20, 1c-109-35, 1e-109-51, 1e-056-07, 1e-100-32, 1e-142-27, and 1e-140-04.~~

Claims 41-49. (Canceled)

Claim 50. (Currently amended) The A genetically ~~modified~~ transformed plant of Claim 44, having an altered phenotype as compared to a wild-type plant, produced by:

a) contacting a plant cell with a nucleic acid sequence which increases or decreases the expression or activity of a protein comprising an amino acid sequence of SEQ ID NO:63 relative to the wild type plant to obtain a transformed plant cell;

b) producing a plant from said transformed plant cell; and

c) selecting a plant expressing said protein

~~wherein the amino acid comprises at least 90% amino acid identity as measured by BLASTP, BLASTX, or TBLASTN with default parameters to a polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NOS:52-68.~~

Claim 51. (Currently amended) The genetically ~~modified~~ transformed plant of Claim [[44]] 50, wherein the nucleic acid encodes the ~~amino acid comprises at least 95% amino acid identity as measured by BLASTP, BLASTX, or TBLASTN with default parameters to a polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NOS:52-68~~ SEQ ID NO:63.

Claim 52. (Currently amended) The genetically modified plant of Claim [[44]] 50, wherein said nucleic acid sequence encoding the protein comprises ~~an~~ the nucleotide sequence ~~selected from the group consisting of SEQ ID NOS:18-34 and SEQ ID NOS:35-51 of SEQ ID NO:29.~~

Claim 53. (Currently amended) The genetically ~~modified~~ transformed plant of Claim [[44]] 50, wherein the plant is a dicotyledonous plant.

Claim 54. (Currently amended) The genetically ~~modified~~ transformed plant of Claim [[44]] 50, wherein the plant is a monocotyledonous plant.

Claim 55. (Currently amended) A genetically modified seed, into which a nucleic acid sequence encoding and expressing a polypeptide ~~having at least 80% amino acid identity as measured by BLASTP, BLASTX, or TBLASTN set at default parameters to an the amino acid sequence selected from the group consisting of SEQ ID NOS:52-68 of SEQ ID NO:63~~ has been introduced.

Claims 56-66. (Canceled)